

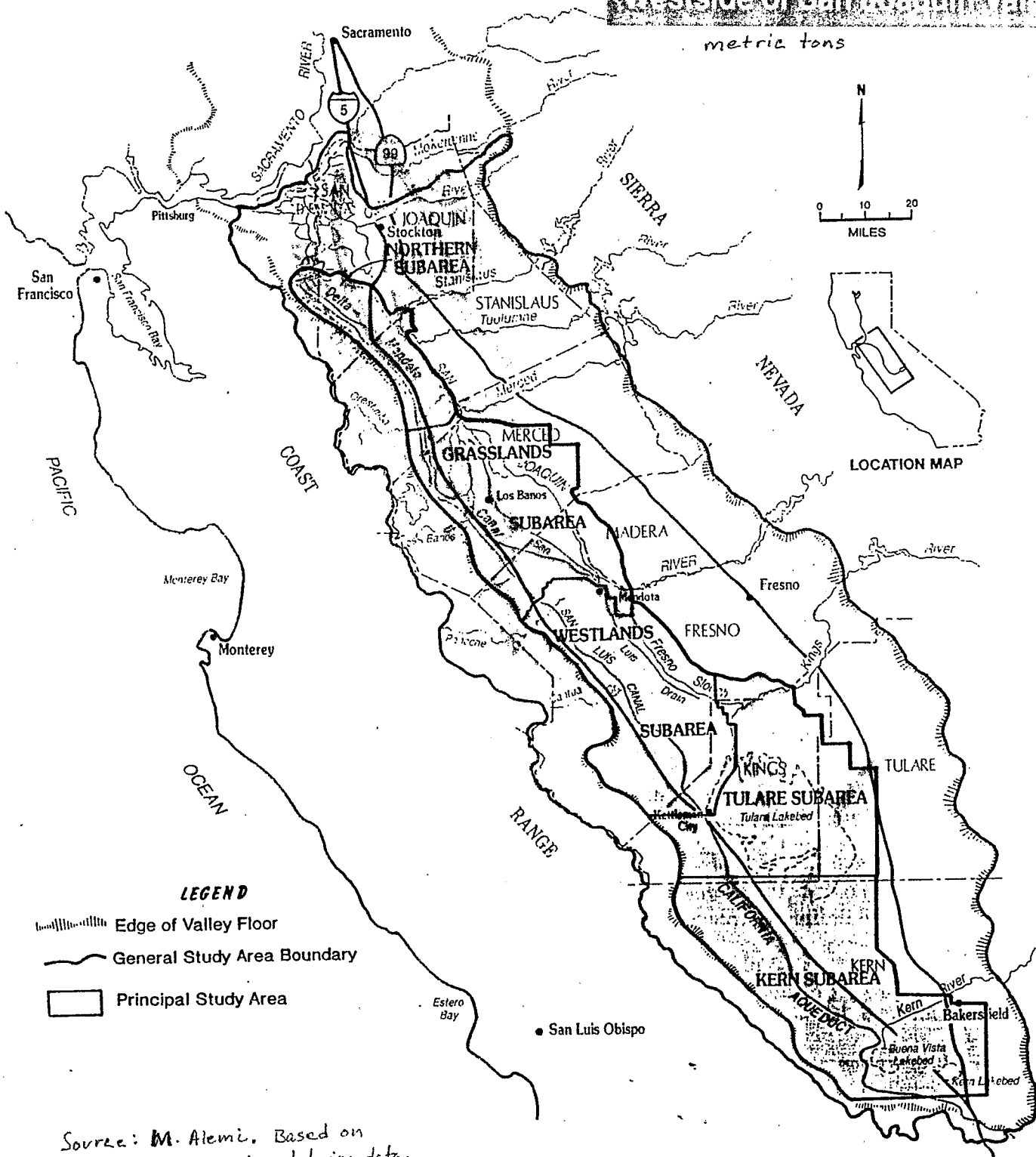
# **SAN JOAQUIN DRAINAGE ISSUES**

**Presentation by Mike Delamore  
US Bureau of Reclamation**

**BDAC Meeting - May 29, 1996  
Sacramento Convention Center**

Figure 1  
PROGRAM STUDY AREA

Salt Inflow / Outflow  
Westside of San Joaquin Valley



Source: M. Alemi. Based on  
1990 water delivery data.



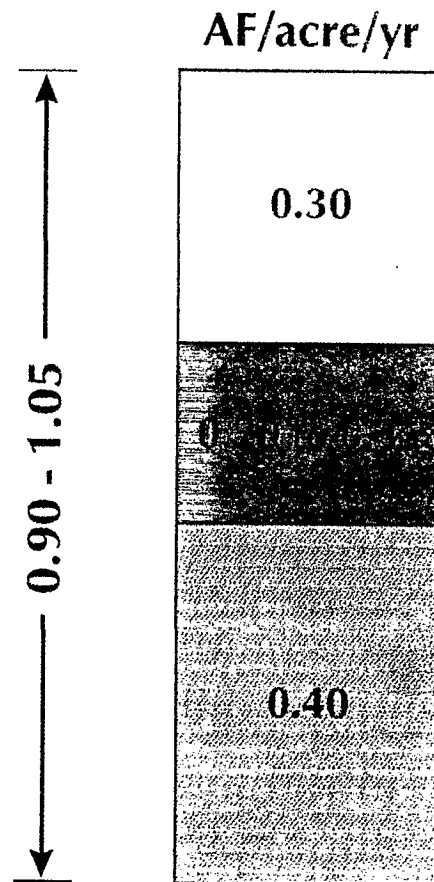
# **Current San Joaquin Valley Drainage Activities**



- ◆ **San Joaquin Valley Drainage Implementation Program**
- ◆ **Regulatory Activities**
  - **Evaporation Pond Waste Discharge Requirements**
  - **San Joaquin River Basin Plan Amendment**
  - **San Joaquin River Salinity Management**
- ◆ **Kesterson Monitoring and Evaluation**
- ◆ **Challenge Grant Program**
- ◆ **CVPIA**
  - **Land Retirement**
  - **San Joaquin Basin Action Plan**
  - **Water Conservation Criteria**
- ◆ **Interim Use of the San Luis Drain**
  - **Real-time Water Quality Management**
- ◆ **Litigation**
  - **Summer Peck**
  - **Exchange Contractors**

# ▶ Drainage Reduction Sequence

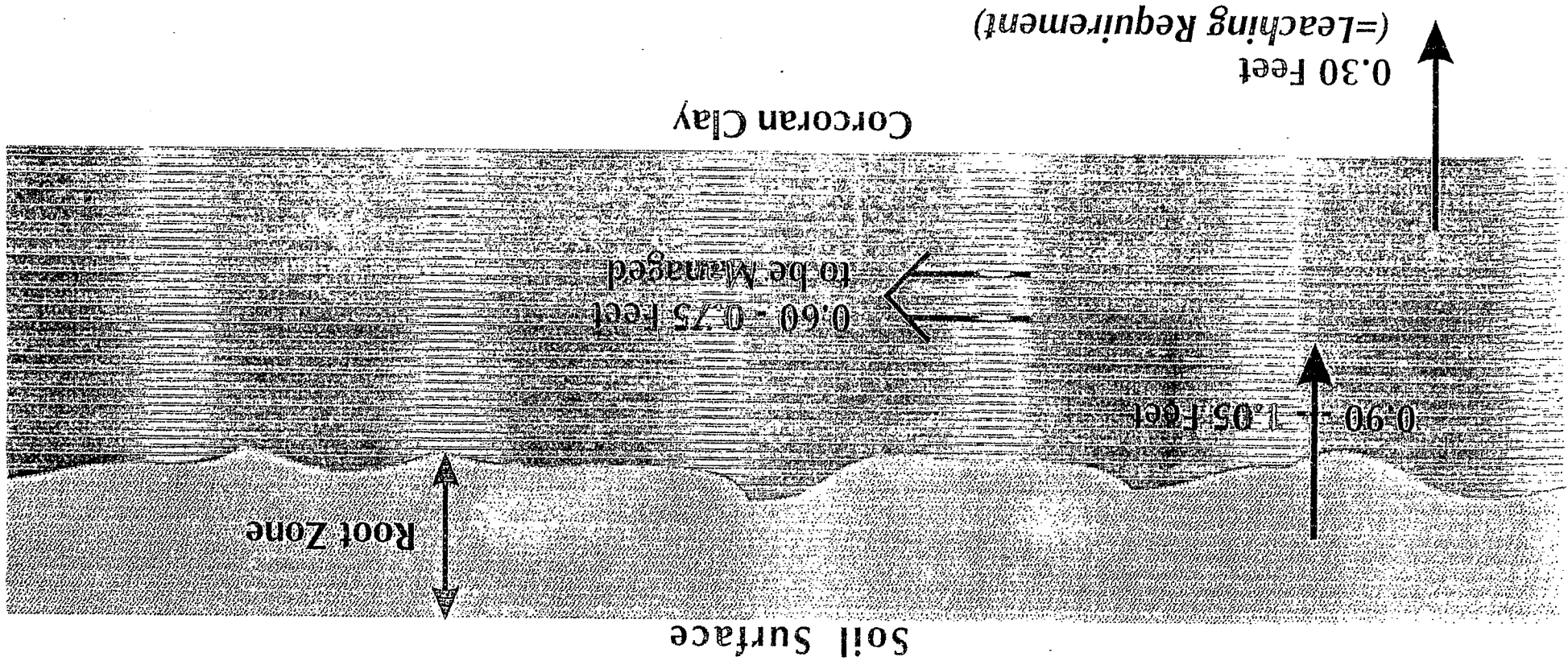
## Deep Percolation



## Drainage Reduction Action

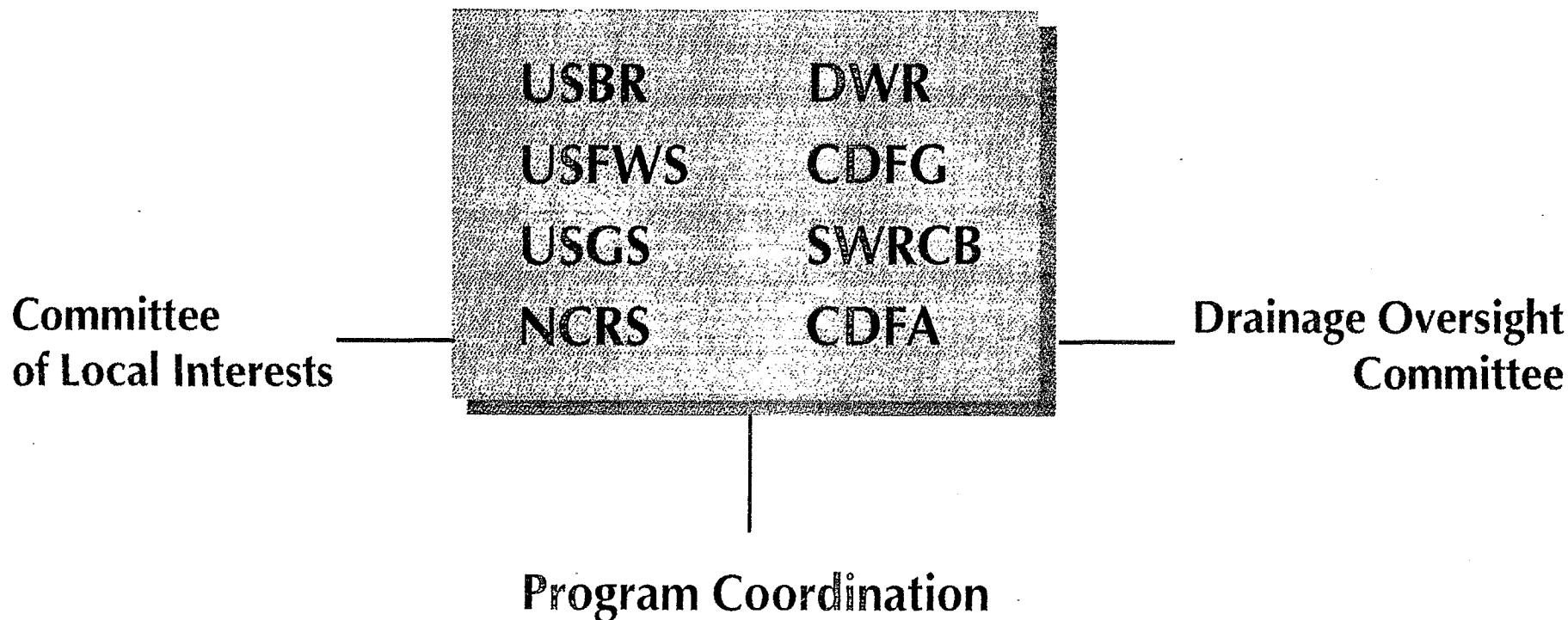
- ◇ flow through corcoran clay
- ◇ source control
- ◇ drainage reuse
- ◇ evaporation systems
- ◇ ground water management
- ◇ discharge to San Joaquin River
- ◇ land retirement

Deep Percolation



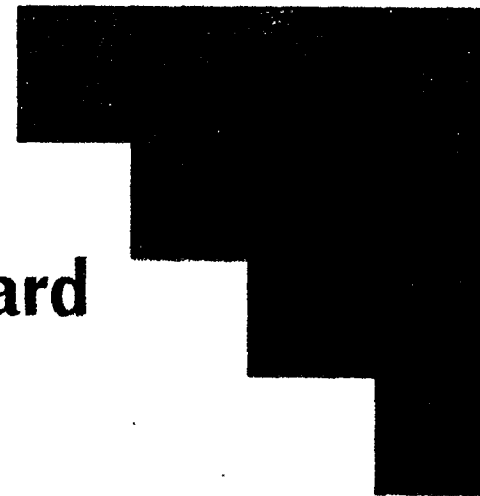


# San Joaquin Valley Drainage Implementation Program





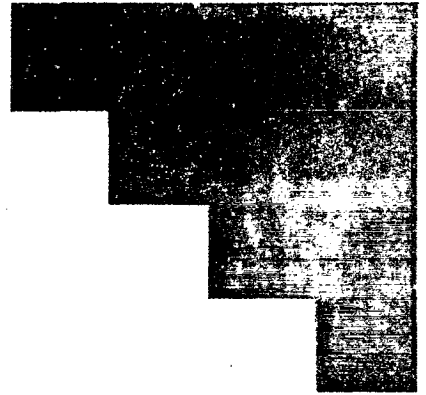
## **State Water Resources Control Board Resolution No. 96-029**



- ◆ **Directs Staff to Negotiate Terms of Reimbursement With the Bureau and/or Other Responsible Agencies . . .**
- ◆ **Directs Staff to develop a Workplan for Processing a Permit Application . . . Using the CEQA/NEPA Process to Identify Features and Parameters . . .**



# Drainage Challenge Grants



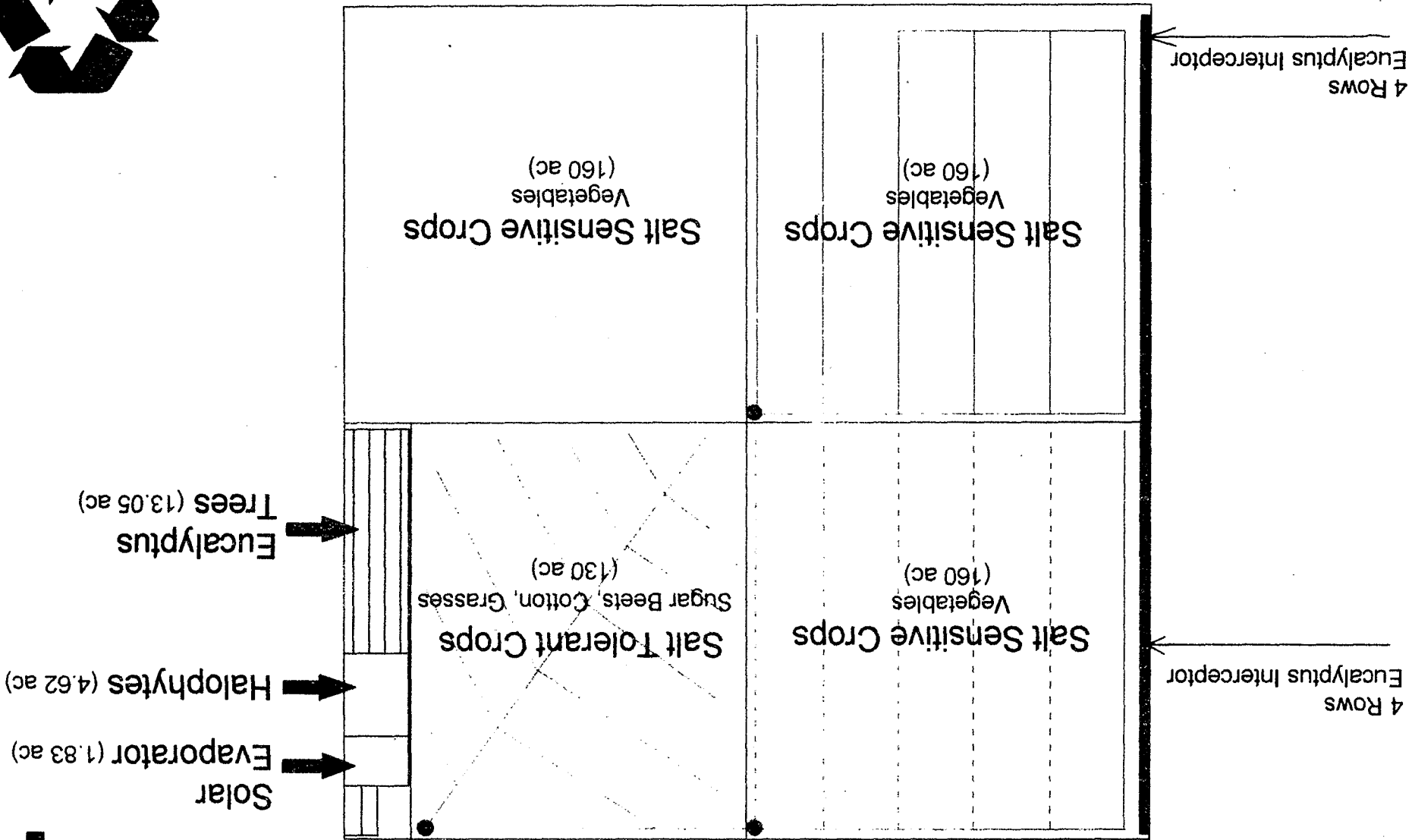
◆ Treatment

◆ Reuse

◆ Real Time Water Quality Management



# RED ROCK RANCH AGROFORESTRY PROJECT



# Salt/Selenium Removal from a Farming System (Agroforestry)

